

**[0101]** In another embodiment, an apparatus (e.g., embodied in a base station) includes a processor and memory including computer program code. The memory and the computer program code are configured, with the processor, to cause the apparatus to receive a relative signal quality measurement report for a user equipment based on a determination of active and inactive subframes of a plurality of subframes associated with a WLAN communication from the user equipment, the relative signal quality measurement report including a relative signal quality measurement on the active and inactive subframes, and allocate communication resources to the user equipment in response to the relative signal quality measurement report. The relative signal quality measurement report may also include a percentage of active subframes of the plurality of subframes and include an indication that the relative signal quality measurement is not valid. Again, the relative signal quality measurement may include at least one of a reference signal received power (“RSRP”), a channel quality indicator (“CQI”), a reference signal received quality (“RSRQ”) measurement and a radio link monitoring (“RLM”) parameter. Also, the relative signal quality measurement report may also be modified with respect to an estimated interference level caused by the WLAN communication on the active subframes.

**[0102]** Program or code segments making up the various embodiments of the present invention may be stored in a computer readable medium or transmitted by a computer data signal embodied in a carrier wave, or a signal modulated by a carrier, over a transmission medium. For instance, a computer program product including a program code stored in a computer readable medium (e.g., a non-transitory computer readable medium) may form various embodiments of the present invention. The “computer readable medium” may include any medium that can store or transfer information. Examples of the computer readable medium include an electronic circuit, a semiconductor memory device, a read only memory (“ROM”), a flash memory, an erasable ROM (“EROM”), a floppy diskette, a compact disk (“CD”)-ROM, an optical disk, a hard disk, a fiber optic medium, a radio frequency (“RF”) link, and the like. The computer data signal may include any signal that can propagate over a transmission medium such as electronic communication network communication channels, optical fibers, air, electromagnetic links, RF links, and the like. The code segments may be downloaded via computer networks such as the Internet, Intranet, and the like.

**[0103]** As described above, embodiments provide both a method and corresponding apparatus consisting of various modules providing functionality for performing the steps of the method. The modules may be implemented as hardware (embodied in one or more chips including an integrated circuit such as an application specific integrated circuit), or may be implemented as software or firmware for execution by a computer processor. In particular, in the case of firmware or software, the exemplary embodiment can be provided as a computer program product including a computer readable storage structure embodying computer program code (i.e., software or firmware) thereon for execution by the computer processor.

**[0104]** Although the present invention and its advantages have been described in detail, it should be understood that various changes, substitutions and alterations can be made herein without departing from the spirit and scope of the invention as defined by the appended claims. For example, many of the features and functions discussed above can be

implemented in software, hardware, or firmware, or a combination thereof. Also, many of the features, functions and steps of operating the same may be reordered, omitted, added, etc., and still fall within the broad scope of the present invention. Embodiments of the invention may also be suitably combined or joined while still falling within the broad scope of the present invention.

**[0105]** Moreover, the scope of the present application is not intended to be limited to the particular embodiments of the process, machine, manufacture, composition of matter, means, methods and steps described in the specification. As one of ordinary skill in the art will readily appreciate from the disclosure of the present invention, processes, machines, manufacture, compositions of matter, means, methods, or steps, presently existing or later to be developed, that perform substantially the same function or achieve substantially the same result as the corresponding embodiments described herein may be utilized according to the present invention. Accordingly, the appended claims are intended to include within their scope such processes, machines, manufacture, compositions of matter, means, methods, or steps.

**1-26.** (canceled)

**27.** A method, comprising:

determining, by a user equipment, active and inactive subframes of a plurality of subframes associated with a wireless local area network (WLAN) communication; performing relative signal quality measurements on the inactive subframes; and

providing, to a base station, a relative signal quality measurement report based on the relative signal quality measurements performed on the inactive subframes.

**28.** The method according to claim 27, further comprising determining whether the relative signal quality measurements are complete or of sufficient quality, wherein the providing comprises providing the relative signal quality measurement report to the base station when the relative signal quality measurements are determined to be complete or of sufficient quality.

**29.** The method according to claim 27, wherein the determining comprises identifying which of the plurality of subframes are inactive with respect to the wireless local area network (WLAN) communication.

**30.** The method according to claim 27, wherein the active and inactive subframes are determined by an information exchange from a wireless local area network (WLAN) module of the user equipment associated with the wireless local area network (WLAN) communication.

**31.** The method according to claim 27, further comprising: estimating interference level caused by the wireless local area network (WLAN) communication on the active subframes; and

providing a modified relative signal quality measurement report to the base station based on the estimate of the interference level and the relative signal quality measurements for the active subframes.

**32.** The method according to claim 27, wherein at least one of the signal quality measurement report comprises one of:

an indication of a percentage of the active subframes with respect to the wireless local area network (WLAN) communication of the plurality of subframes; or

an indication that the relative signal quality measurements included in the signal quality measurement report are not valid; or